bio-protocol Preprint

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Immunofluorescence and imaging

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An abbreviated version of this protocol was published in eLIFE in Jan 2020

Kinesin Kif2C in regulation of DNA double strand break dynamics and repair

DOI: 10.7554/eLife.53402

Detailed protocol

Laser microirradiation was performed using 405 nm laser under the Zeiss Axiovert 200M Microscope with Marianas Software (Intelligent Imaging Innovations, Inc. Denver, CO, USA).
Settings for laser microirradiation: focus menu > photomanipulation; choose 405 nm laser, adjust power level, duration, raster block size. To aid the inital setting, we used GFP-Ku70, GFP-PARP1 and other DNA repair proteins as positive controls. Laser aliignment should be routinely checked (focus menu > align photomanipulation).

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Peng, A. (2020). Immunofluorescence and imaging. Bio-protocol Preprint. bio-protocol.org/prep213.
2. Zhu, S., Paydar, M., Wang, F., Li, Y., Wang, L., Barrette, B., Bessho, T., Kwok, B. H. and Peng, A.(2020). Kinesin Kif2C in regulation of DNA double strand break dynamics and repair. eLIFE. DOI: 10.7554/eLife.53402

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